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HESPERIDÆ.

BY

W. C. HEWITSON.

DESCRIPTIONS

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PRESENTED

OF

ONE HUNDRED NEW SPECIES

OF

HESPERIDÆ.

BRITISH MUSEUM

BY

W. C. HEWITSON.

PART I.

LONDON:
JOHN VAN VOORST, 1 PATERNOSTER ROW.
April 20th, 1867.

PREFACE.

I WOULD apologize for adding to the load of useless entomological literature which is now so rapidly accumulating by attempting to describe a group of butterflies, to elucidate which descriptions alone are utterly inadequate, were it not that I hope to figure all of them in the 'Exotic Butterflies.'

Dr. Gray, who was about to have the *Hesperidæ* of the British Museum catalogued and described, generously relinquished his intention upon my stating to him what I have said above, and promising him that I would undertake to figure them; and it is that I may keep my promise that I now issue (to appropriate the species) what I consider when unaided by figures more than worthless.

When we have 150 species which, except in form and size, have scarcely any trait on the upperside by which to distinguish them from each other, and all possess the transparent spots in common, it is by a very faithful figure alone that they can be satisfactorily separated. I have always felt, and have acted accordingly, that I should by descriptions only receive the anathema of future entomologists, whilst by a fair figure I might be entitled to their benediction. Such have been my own sensations when I have puzzled over a vague description in vain, or have at once

been able, by such figures as those of Guyer and Herrich-Schäffer, to recognize my species. The specific characters of the *Hesperidæ* are usually most conspicuous in the colouring of the underside of the posterior wing. I hope that the *Hesperidæ* may complete a fifth volume of the 'Exotic Butterflies' and form a complete monograph, should I have species sufficient to fill a fourth volume without them and health to figure them.

See also Trans. Ent. Soc. Lond., third series, vol. ii, p. 479 (1864–66).
Ann. & Mag. of Nat. Hist., fourth series, vol. xviii, pp. 347, 449 (1876); ditto, fifth series, vol. i, p. 341 (1878).

HESPERIDÆ.

Genus ERYCIDES.

1. Erycides Phoronis. Ex. Butt., v, pl. xli, figs. 30, 31.

Alis rufis: anticis maculis tribus vitreis nigro marginatis: posticis productis, dentatis, macula vitrea fasciisque fuscis: infra ad basin flavis.

Upperside rufous. Anterior wing with three transparent spots bordered with black: one near the middle large and trifid, one outside of this bifid, and one before the apex trifid: the nervures black. Posterior wing angular, dentated: crossed by two bands of dark brown.

Underside. Both wings rufous, with the basal half yellow, bordered outwardly with black, and crossed on the posterior wing by two black bands, and outside of these by a broken band as above.

Exp. 2 inches. *Hab.* New Granada.

In the collection of W. C. Hewitson.

A beautiful species, near to *H. Santhilarius* of Latreille.

2. Erycides Amystis. Ex. Butt., v, pl. xli, figs. 28, 29.

Alis aurantiaco-flavis: anticis maculis quinque (una in medio tripartita) vitreis nigro marginatis: posticis dentatis, macula vitrea fasciaque angulata nigra: infra flavis.

Upperside rufous-orange. Anterior wing with five transparent spots bordered with black: one near the middle

trifid, one outside of this bifid, two small ones between the last and the spot near the apex, which is bifid: the outer margin rufous. Posterior wing angular, dentated, with one indistinct transparent spot before the middle: crossed at the middle by an indistinct band of brown, and beyond it by a zigzag band of black: the outer margin black.

Underside as above, except that it is orange-yellow, that the transparent spots are not bordered with brown, and that the posterior wing has two spots of brown near the base.

Exp. $1\frac{8}{10}$ inch. *Hab.* New Granada.

In the collection of W. C. Hewitson.

Closely allied to *P. nobilis* of Cramer.

3. Erycides Araxes.

Alis fuscis fimbria nivea: anticis maculis decem vitreis, tribus in fascia positis: posticis infra fasciis duabus flavis.

Upperside dark brown, the fringe snow-white, intersected with dark brown. Anterior wing with ten transparent white spots: three forming a central transverse band, three outside of these forming a short oblique band, three before the apex, and the tenth a minute spot at the costal margin.

Underside dark brown. Anterior wing as above, except that it is rufous at the base. Posterior wing with the base and inner margin and two transverse bands orange-yellow. The first band before the middle, regular and trifid; the outer band beyond the middle curved outwards, undulated and composed of several spots.

Exp. 2 inches. *Hab.* Mexico.

In the Collection of W. C. Hewitson.

Like species of *Eudamus* in general appearance, but with the antennæ of this genus.

Genus EUDAMUS, *Swainson.*

GONIURUS, *Westwood.*

1. Eudamus Alcæus. Ex. Butt., v, pl. xlvi, fig. 9.

Alis fuscis: anticis maculis decem vitreis, quatuor in fascia positis: posticis infra cinereis, macula ad basin, fascia maculisque tribus minutis nigris et fascia lata alba.

UPPERSIDE dark brown, covered near the base with ochreous hair: the fringe black and white alternately. Anterior wing with ten pale yellow transparent spots: four in a band at the centre, one square outside of these, one oblique and linear, and four in a band before the apex. Posterior wing with a long tail.

UNDERSIDE lilac-grey clouded on the anterior wing with brown. Anterior wing with the spots as above. Posterior wing with nine black spots: two near the base, three in a central band, and four beyond the middle, three of which are small, placed in the form of a triangle and followed by a broad band of white.

Exp. $2\frac{2}{10}$ inches. *Hab.* Nicaragua.

In the Collection of W. C. Hewitson.

2. Eudamus albofasciatus. Ex. Butt., v, pl. xlvi, fig. 15.

Alis fuscis: anticis maculis vitreis: his infra macula triangulari apicali: posticis fascia alba: cauda longissima.

UPPERSIDE dark brown. Anterior wing with eight transparent spots: four forming a central band (the lowest spot very minute), one outside of these, and three in a band before the apex. Posterior wing with a very long tail.

UNDERSIDE. Anterior wing as above, except that it is grey near the apex and marked by a triangular dark brown

spot. Posterior wing dark brown, crossed obliquely by a central band of white: a submarginal band of grey.

Exp. 2 inches. *Hab.* Guatemala (Polochic Valley).

In the Collection of W. C. Hewitson, kindly presented by Mr. Salvin.

3. Eudamus Aminias. Ex. Butt., v, pl. xlvi, fig. 1

Alis fuscis: anticis maculis decem vitreis, quatuor in fascia positis: posticis infra macula ad basin, fasciis duabus, macula minuta (flavo punctata) margineque fuscis.

Upperside dark rufous-brown: the fringe black and white alternately. Anterior wing with ten pale yellow transparent spots: four in a central broken band, two (one minute) outside of these, and four before the apex. Posterior wing with a long tail.

Underside rufous-brown. Anterior wing as above, except that it is clouded with darker brown. Posterior wing with three dark brown spots at the base: crossed by two irregular broken bands of dark brown, followed by a small brown spot bordered above with pale yellow: a broad submarginal band of dark brown.

Exp. $1\frac{8}{10}$ inch. *Hab.* Minas Geraes.

In the Collection of W. C. Hewitson.

4. Eudamus undulatus. Ex. Butt., v, pl. xlvi, fig. 16.

Alis fuscis: anticis maculis vitreis: anticis infra macula apicali fusca: posticis fusco undulatis, basi fasciisque duabus fuscis.

Upperside ochreous-brown: the fringe pale yellow: on the anterior wing brown and white alternately, on the posterior wing broad and spotted with brown. Anterior wing with nine transparent pale yellow spots: four (the first minute) forming a central band, one outside of these, and four before the apex. Posterior wing with long broad tails.

Underside. Anterior wing as above, except that it is paler and grey near the apex marked by a large dark brown

spot. Posterior wing pale grey-brown, undulated throughout with brown and clouded, except near the outer margin, with large undefined brown spots: tinted with lilac in the centre.

Exp. $1\frac{9}{10}$ inch.

In the Collection of W. C. Hewitson.

5. Eudamus Amisus. Ex. Butt., v, pl. XLVI, fig. 10.

Alis rufo-fuscis: anticis maculis novem vitreis, quatuor in fascia positis: posticis margine exteriori reflexo: his infra macula at basin nigra fasciisque duabus fuscis.

Upperside rufous-brown. Anterior wing with nine pale yellow transparent spots: four (the first bifid) forming a central band, two (one minute) outside of these, and three before the apex. Posterior wing tailed: the outer margin rounded.

Underside. Anterior wing as above. Posterior wing lilac-brown with a round black spot near the base: crossed by two bands of dark brown and a submarginal band of brown broken into spots from the apex to the middle.

Exp. $1\frac{7}{10}$ inch.

In the Collection of W. C. Hewitson.

Easily distinguished by the rounded margin of the posterior wing.

6. Eudamus Asine.

Alis rufo-fuscis: anticis maculis octo vitreis, quatuor (una minutissima) in medio positis, maculisque duabus fuscis: posticis macula fasciaque fuscis.

Upperside rufous-brown: the fringe (except near the apex of the anterior wing) pale yellow. Anterior wing with eight transparent white spots: four in the middle (the first minute, the other three placed in the form of a triangle) and four (the first very minute) before the apex: two brown spots

near the inner margin. Posterior wing with a long tail: crossed by three brown spots, two of which form a band below the middle.

Underside as above, except that the posterior wing has a submarginal pale rufous band.

Exp. $1\frac{6}{10}$ inch. *Hab.* Nicaragua.

In the Collection of W. C. Hewitson.

7. Eudamus Auginus. Ex. Butt., v, pl. xlvi, fig. 13.

Alis fuscis: anticis maculis vitreis: posticis infra macula lineari flava prope caudam posita: corpore viridi.

Upperside dark brown, the body green. Anterior wing with six transparent white spots: three in the form of a triangle in the centre, and three before the apex. Posterior wing with a broad dark brown tail.

Underside as above, except that the posterior wing is glossed with green near the base, and has a linear pale-yellow spot near the base of the tail.

Exp. $1\frac{7}{20}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

Very closely allied to the last, from which it differs chiefly in the pale linear spot of the underside. Specimens vary much in the relative length of the tail.

8. Eudamus Otriades. Ex. Butt., v, pl. xlvi, fig. 11.

Alis utrinque nigro-fuscis: posticis infra maculis duabus analibus parvis albis.

Upperside dark spotless brown, paler at the outer margins.

Underside as above, except that there are two small white spots near the anal angle.

Exp. $1\frac{8}{10}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

This species bears a very remarkable resemblance to an

Ismene in my Collection, which, though probably only a variety of *Goniloba Badra* of Moore, has not yet been described. This may be only a variety of the last described, *E. Auginus*, which seems to be a very variable species.

9. Eudamus obscurus.

Alis fuscis immaculatis: anticis infra macula apicali fusca: posticis fasciis duabus macularibus fuscis.

Upperside dark brown. Anterior wing with two very minute obscure transparent spots before the apex. Posterior wing with a short broad tail.

Underside dark brown. Anterior wing as above, except that it is paler at the apex and outer margin, with a triangular dark brown spot near the apex: the inner margin pale rufous. Posterior wing sparingly irrorated with paler colour: two transverse bands of spots and the tail dark brown.

Exp. 1½ inch.

In the Collection of Dr. Boisduval.

10. Eudamus Aziris. Ex. Butt., V, pl. XLVI, fig. 12.

Alis rufo-fuscis: anticis maculis novem parvis vitreis: infra albo nigroque variatis: anticis basi ferruginea: posticis fascia maculisque nigris.

Upperside rufous-brown: the fringe alternately black and white. Anterior wing with nine transparent spots placed in circular form: four in a central band, two outside of these, and three (one apart from the other two) before the apex. Posterior wing with the anal angle protruded.

Underside beautifully variegated with rufous-brown, grey, and black. Anterior wing with the base rufous: a white spot at the middle of the costal margin: the outer margin black. Posterior wing with a spot at the base, a

band near the middle, two large spots near the inner margin (the lowest bordered with white), and the anal lobe black.

Exp. $1\frac{1}{2}$ inch. *Hab.* Rio de Janeiro.

In the Collection of W. C. Hewitson.

11. Eudamus Athesis. Ex. Butt., vol. V, pl. XLVI, fig. 1

Alis fuscis: anticis maculis decem indistinctis vitreis: infra flavo irroratis: anticis macula fasciaque submarginali ochraceis: posticis macula fasciisque duabus rufo-fuscis nigro marginatis.

Upperside dark brown. Anterior wing with ten very indistinct transparent spots: four (the first bifid, the fourth minute) in a narrow broken central band, two outside of these, and four before the apex. Posterior wing with a short broad tail.

Underside rufous brown: the apical half of the anterior wing and the whole of the posterior wing irrorated throughout with yellow. Anterior wing dark brown outside the band: a spot near the apex and a submarginal band of small spots brown. Posterior wing with a spot at the base, two transverse bands (the outer band bordered on both sides with zigzag black lines), and a submarginal band all brown.

Exp. $1\frac{8}{10}$ inch. *Hab.* Venezuela.

In the Collection of W. C. Hewitson.

Goniloba, *Westwood.*

12. Eudamus Antæus. Ex. Butt., V, pl. XLVII, fig. 18

Alis rufo-fuscis: anticis maculis flavis vitreis: his infra fascia submarginali cinerea: posticis fascia centrali argenteo-alba.

Upperside dark rufous brown, thickly covered with ochreous hair near the body. Anterior wing with eight transparent dull yellow spots: four (three of which are large) in a central band, one outside of these, and three (minute) before the apex. Posterior wing with a broad lobe at the anal angle.

UNDERSIDE dark rufous-brown. Anterior wing as above, except that there is a broad submarginal band of lilac-grey. Posterior wing with a minute white spot near the base: crossed at the middle by a silvery band of white, narrow at the costal margin, broad below: irrorated with grey near the outer margin.

Exp. $2\frac{3}{10}$ inch.

In the Collection of W. C. Hewitson.

Very near to *E. Clarus,* from which it differs in the form of the silvery white band.

13. Eudamus Asander. Ex. Butt., v, pl. xlvii, fig. 24.

Alis fuscis: anticis maculis vitreis: anticis infra margine exteriori cinereo irrorato: posticis fascia lata centrali alba (puncto fusco notata) late cinereo marginata.

UPPERSIDE dark brown thickly covered with ochreous hair. Anterior wing with eight transparent pale yellow spots: four of equal size in an oblique straight central band, one outside of these, and three minute (two together and one far apart) before the apex. Posterior wing lobed.

UNDERSIDE. Anterior wing as above except that the outer margin is broadly grey. Posterior wing crossed by a central broad band of white marked by a small brown spot and dentated outwardly, where it is bordered with grey, which extends to the outer margin.

Exp. $2\frac{3}{10}$ inches. *Hab.* Amazon (Ega).

In the Collection of W. C. Hewitson.

Near to *E. Exadeus.* Varies considerably, some examples having the central white band on the underside of the posterior wing narrow, nearly resembling the next species.

14. Eudamus Aurunce. Ex. Butt., v, pl. xlvii, fig. 20.

Alis fuscis: anticis maculis novem vitreis, quatuor in fascia, quatuor prope apicem valde oblique positis: posticis infra fascia angusta alba.

Upperside dark brown. Anterior wing with nine transparent spots: four (the first bifid) in a central band, one outside of these, and four (two apart from the other two and each other) placed very obliquely before the apex. Posterior wing lobed.

Underside rufous-brown. Posterior wing crossed by a central narrow band of white: the inner margin near the anal angle white.

Exp. 2 inches. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

Very near to *E. Asander,* but differs from it in the less oblique position of the band of the anterior wing, and the clearly defined narrower band of the posterior wing.

15. Eudamus Naxos. Ex. Butt., v, pl. xlvii, fig. 19

Alis fuscis, basi cærulea, maculis vitreis: posticis infra macula centrali alba maculisque octo ochraceis.

Upperside dark brown with the base of both wings glossy blue. Anterior wing with eight transparent white spots: five forming a central narrow band (one minute and outside the others) and three before the apex. Posterior wing with three white spots on the fringe near the apex.

Underside rufous-brown. Anterior wing with the band of transparent spots bordered inwardly with white, broad at the first and fourth spots: a spot of grey on the outer margin below these: the apex rufous. Posterior wing with a white central spot followed by eight pale rufous spots.

Exp. $2\frac{2}{10}$ inches. *Hab.* Brazil.

In the Collection of W. C. Hewitson.

Near to *E. Apastus* and *E. Fulgerator.*

16. Eudamus Elorus.

Alis fuscis, basi viridi-cærulea: anticis fascia fusca: infra fasciis duabus fuscis margine exteriori late rufescenti-cinereo.

Upperside rufous-brown, the base blue. Anterior wing crossed by two bands of darker brown.

Underside rufous. Both wings crossed by two bands of dark brown: the outer band broad and succeeded by a broad marginal band of rufous-grey.

Exp. $2\frac{1}{10}$ inches.

In the Collection of W. C. Hewitson.

Near to *E. Anaphus*.

17. Eudamus Bryaxis. Ex. Butt., v, pl. xlv, fig. 2, 3.

Alis fuscis: anticis maculis vitreis: posticis ochraceis: his infra maculis duabus ad basin fasciisque duabus nigris: maculis submarginalibus albis.

Upperside dark brown: the base of the anterior wing and nearly the whole of the posterior wing covered with ochreous hair. Anterior wing with nine transparent white spots: four (the first bifid) forming a central band, one outside of these, and four before the apex. Posterior wing slightly lobed, dentated, the indentations white.

Underside brown. Anterior wing as above, except that it has a rufous spot below the apical white spots and a submarginal row of spots of the same colour. Posterior wing with two spots near the base and two transverse irregular bands of dark brown: a submarginal band of brown spots bordered with white.

Exp. $2\frac{1}{10}$ inches. *Hab.* Guatemala.

In the Collection of W. C. Hewitson.

This bears a considerable resemblance to a tailed species (*E. Alcæus*), which is described above, from the same country.

18. Eudamus Enispe. Ex. Butt., v, pl. xlvii, fig. 22.

Alis rufo-fuscis: anticis maculis septem vitreis, quatuor in fascia obliqua, duabus prope apicem minutissimis: infra cinereo irroratis, lineis duabus transversis.

Upperside rufous-brown. Anterior wing with seven pale yellow spots: four forming a central band, one outside of these, and two (very minute) before the apex. Posterior wing slightly lobed.

Underside rufous. The apical half of the anterior wing and the whole of the posterior wing irrorated with grey. Both wings crossed near the middle by two lines of rufous brown. Posterior wing crossed by a third line nearer the base.

Exp. 2 inches. *Hab.* South America.

In the Collection of W. C. Hewitson.

19. Eudamus Elaites. Ex. Butt, v, pl. xlvii, fig. 2

Alis rufo-fuscis: anticis maculis decem vitreis: infra rufis, ad basin flavis: posticis macula nigra prope basin: fasciis duabus transversis rufo-brunneis.

Upperside dark brown. Anterior wing with ten transparent white spots: four forming a central band, three (minute) outside of these, the last nearly touching the three minute spots near the apex. Posterior wing slightly lobed.

Underside rufous: the base of both wings ochreous: the fringe broad, grey spotted with brown. Anterior wing with the central band broader: a submarginal line of brown. Posterior wing with a black spot near the base, crossed by two broad irregular bands of dark rufous brown followed by a third band of indistinct rufous spots.

Exp. $1\frac{1}{2}$ inch. *Hab.* Minas Geraes.

In the Collection of W. C. Hewitson.

20. Eudamus Eriopis.

Alis rufo-fuscis: anticis maculis parvis vitreis: posticis fascia maculari fusca: his infra maculis novem ochraceis.

Upperside rufous-brown. Anterior wing with eight minute transparent white spots: three (apart) in a line at

the middle, two outside of these, and three before the apex. Posterior wing crossed from the costal margin to the middle by a band of dark brown spots.

UNDERSIDE as above, except that the posterior wing has a band of ochreous spots in place of the brown spots of the upperside, and four other spots of the same colour—two towards the costal margin and two within the cell.

Exp. $2\frac{2}{10}$ inches. *Hab.* Amazon (Tapajos).

In the Collection of W. C. Hewitson.

This and nearly all of the following species have the fine flexible points of the antennæ much longer than in those hitherto described.

21. Eudamus Doriscus.

Myscelus Sebaldus, *Westwood in Doubleday and Hewitson's Genera of Diurn. Lepid.* pl. 78. f. 6.

This is certainly not the *Sebaldus Crameri* of Latreille of Cramer's figures, plate 342. A, B.

22. Eudamus Etias.

Alis rufo-fuscis: anticis maculis septem vitreis: posticis macula fasciaque fuscis obscuris, infra maculis ochraceis.

UPPERSIDE rufous. Anterior wing with seven transparent spots: four in the middle, two of which are large and one lunular, three at the apex (one minute). Posterior wing with a central spot and macular band of obscure brown spots.

UNDERSIDE as above except that the posterior wing has several ochreous spots in place of the brown spots of the upperside: two or three in the centre with others forming a semicircle below them.

Exp. $2\frac{1}{2}$ inches. *Hab.* Amazon.

In the Collection of W. C. Hewitson, from Mr. Bates.

Near to *P. Eurybates*, Cramer, plate 393.

23. Eudamus Entellus.

Alis fuscis: anticis maculis novem vitreis: posticis macula rufa, his infra maculis octo flavis.

Upperside dark brown. Anterior wing with nine transparent spots: four in the centre, two of which are large, two minute, and five before the apex, two of which are under the usual apical spots. Posterior wing with a small central rufous spot.

Underside as above, except that the posterior wing is marked by eight yellow spots.

Exp. $2\frac{2}{10}$ inches. *Hab.* Java.

In the Collection of Dr. Boisduval.

24. Eudamus Phanæus. Distant, pl. xxxv, fig. 18.

Alis rufis: anticis maculis vitreis: posticis utrinque macula centrali maculisque fuscis in semicirculum positis.

Upperside rufous. Anterior wing with eight transparent spots: three in the middle large, two below these minute and bordered with black, and three unusually large before the apex. Posterior wing with a central spot and a semicircular band of spots below it black.

Underside as above, except that the black spots of the posterior wing are more obscurely marked.

Exp. $2\frac{1}{2}$ inches. *Hab.* Sarawak.

In the Collection of W. C. Hewitson, from Mr. Wallace.

25. Eudamus Phaselis.

Alis ochraceo-rufis: anticis maculis novem vitreis, tribus in triangulum pone medium, quinque sub apicem positis: posticis maculis sex fuscis, infra tribus aliis ochraceis.

Upperside ochreous-brown. Anterior wing with nine transparent spots: three in the middle (one of which is broadly bordered with brown, the other two deeply sinuated),

one below these (which is small and bordered with black), three, as usual, before the apex, and two below them. Posterior wing with six dark brown spots: one in the centre and five forming a semicircular band below it.

Underside as above, except that the posterior wing has the spots which are brown on the upperside pale yellow, with the addition of three more, one of which is near the addominal fold and two near the costal margin, making the semicircular band more complete.

Exp. $2\frac{6}{10}$ inches. *Hab.* Brazil.

In the Collection of Dr. Boisduval.

26. Eudamus Pherenice. Cr. Butt., v, Pl. XLV, fig. 1.

Alis anticis fuscis, maculis undecim vitreis: posticis angularibus, rufis, fasciis duabus fuscis: his infra obscure ochraceis, margine exteriori late lilacino-fuscis.

Upperside. Anterior wing dark brown, with eleven transparent spots: four in a broken band at the middle, one outside of these, and two small ones before the apical spots, which are four and of unequal size. Posterior wing angular, rufous, crossed by two dark brown bands.

Underside. Anterior wing as above, except that it is tinted with lilac near the outer margin. Posterior wing with the bands as above, the basal half ochreous, the outer margin broadly lilac-brown.

Exp. $2\frac{7}{10}$ inches. *Hab.* Brazil.

In the Collection of W. C. Hewitson.

A beautiful species, with a general resemblance to *H. Santhilarius* of Latreille.

27. Eudamus Gonatas.

Alis rufo-fuscis: anticis margine externo reflexo, maculis sex vitreis separatim positis: posticis punctis tribus vitreis: his infra punctis vitreis ut supra, necnon punctis quatuor albis maculisque sex fuscis.

Upperside dark rufous-brown. Anterior wing with the outer margin rounded: six transparent spots: four apart from each other in a curved band at the middle (the lowest spot minute), one outside of these, and one only before the apex. Posterior wing with three minute transparent spots, one of which is central.

Underside rufous. Anterior wing as above, except that it has two minute brown spots near the apex. Posterior wing with four white spots between the transparent spots and the inner margin, a brown spot touching the central white spot, and five other brown spots forming a semicircle with four of the white spots.

Exp. $2\frac{11}{20}$ inches. *Hab.* Amazon (Tapajos).

In the Collection of W. C. Hewitson, from Mr. Bates.

28. Eudamus Pelignus.

Alis rufis: anticis margine externo reflexo, maculis quinque parvis vitreis: posticis puncto vitreo punctisque fuscis: his infra macula centrali fasciaque macularum fuscarum albo punctatarum.

Upperside rufous: the outer margin brown. Anterior wing with the outer margin rounded: five small transparent spots (one bifid) apart from each other, one only before the apex. Posterior wing with one minute transparent spot: a central spot and some minute spots (forming a transverse band with the transparent spot) brown.

Underside as above, except that the posterior wing has the brown spots marked indistinctly with white, and three other white spots bordered with brown between the transparent spot and the anal angle.

Exp. $2\frac{2}{10}$ inches. *Hab.* Rio de Janeiro.

In the Collection of W. C. Hewitson.

This species is remarkable for want of elegance in the contour of its wings, which together are almost as semicircular as in some species of *Euplœa*.

29. Eudamus Pausias. Ex. Butt., v, pl. xlvii, fig. 26.

Alis utrinque rufis: posticis maculis duabus fuscis pone medium.

Upperside rufous, darker towards the outer margin of the anterior wing. Posterior wing with two small brown spots below the middle.

Underside as above.

Exp. $1\frac{1}{2}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

30. Eudamus decoratus. Ex. Butt., v, pl. lix, fig. 2.

Alis aurantiacis, maculis nigris: anticis margine exteriori late fuscis, lineis longitudinalibus flavis.

Upperside orange, with bands and spots of black: the abdomen orange banded with black. Anterior wing with two spots near the base, a band before the middle, a triangular spot on the costal margin beyond the middle: the apex and outer margin broadly brown, crossed longitudinally by fine hastate yellow lines. Posterior wing with a spot at the base, two before the middle, and two submarginal bands of spots pyriform near the apex.

Underside as above, except that the black spots are larger and that the anal angle of the posterior wing is black.

Exp. $1\frac{4}{10}$ inch. *Hab.* Sylhet and Java.

In the Collection of W. C. Hewitson.

There is not in the whole family of the *Hesperidæ* a more beautiful species than this.

31. Eudamus Phasias.

Alis ochraceo-fuscis: anticis fasciis duabus macularibus fuscis: posticis macula fasciaque fuscis: infra rufo-fuscis.

Upperside brown, covered with ochreous hair on the basal half of the anterior wing and the whole of the posterior wing. Anterior wing with two very small transparent

spots: crossed by two indistinct bands of dark brown spots. Posterior wing with a spot of brown before the middle followed by a band of spots of the same colour.

Underside as above, except that it is dark rufous-brown with the bands and spots less distinct.

Exp. $1\frac{1}{2}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

Will come in the group to which *P. Avitus* of Cramer (plate 354) belongs.

32. Eudamus Azines., Ex. Butt., v, pl. xxvii, fig. 25.

Alis rufo-fuscis: anticis maculis vitreis, duabus magnis centralibus: posticis utrinque macula fasciaque maculari fuscis: his infra dimidio interno flavo.

Upperside rufous-brown. Anterior wing with six transparent spots: two, which are large, in the centre. Posterior wing with a brown spot before the middle and a band of spots of the same colour.

Underside as above, except that the basal half of the posterior wing is yellow.

Exp. $1\frac{9}{20}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

Near to *P. Avitus* of Cramer, but differs from it in the position and size of the transparent spots.

33. Eudamus Penidas.

Alis rufis: anticis maculis minutis vitreis: posticis utrinque fasciis duabus obscuris.

Upperside rufous. Anterior wing with seven small transparent white spots: four in the middle, one of which is deeply sinuated, and two triangular. Posterior wing crossed by two obscure bands slightly darker than the rest of the wing.

UNDERSIDE as above, except that the posterior wing is darker towards the outer margin.

Exp. $1\frac{1}{2}$ inch. *Hab.* Amazon (Santarem).

In the Collection of W. C. Hewitson, from Mr. Bates.

34. Eudamus Phrynicus.

Alis fuscis: anticis macula costali fasciaque vitrea albis: posticis productis, margine exteriori utrinque albo, infra latiori.

UPPERSIDE dark brown. Anterior wing with a minute white spot on the costal margin, and below it a transverse transparent band of white. Posterior wing very long, with the outer margin white.

UNDERSIDE as above, except that it is rufous-brown, that the spot on the costal margin is larger so as to form part of the transverse band, and that the posterior wing is crossed by two scarcely seen bands of brown and has the white of the outer margin broader.

Exp. 2 inches. *Hab.* Amazon (St. Paulo).

In the Collection of W. C. Hewitson, from Mr. Bates.

This species is near to *C. Zarex* of Hübner's 'Zutrage,' figs. 183, 184, but twice as large.

35. Eudamus Phœnice. Ia. Butt., V, pl. XLV, figs. 7, 8.

Alis fuscis: anticis maculis vitreis maculaque flava: posticis fasciis duabus macularibus flavis: alis infra basi aurantiaca: posticis fascia lata alba.

UPPERSIDE dark rufous-brown. Anterior wing with seven transparent pale yellow spots: two at the middle, two outside of these, and three before the apex: a pale yellow spot near the middle of the inner margin. Posterior wing crossed by two bands, each of three pale yellow spots.

UNDERSIDE rufous-brown tinted with lilac. Anterior wing with the transparent spots as above, and a band of

orange from the base to the middle of the costal margin. Posterior wing with the base orange, succeeded by a broad transverse band of silvery white.

Exp. $1\frac{9}{10}$ inch. *Hab.* Amazon (Ega).

In the collection of W. C. Hewitson, from Mr. Bates.

A very beautiful species, nearly allied to *E. formosus* of Felder, to be published shortly in the third volume of the 'Novara Voyage.'

36. Eudamus Oriander.

Alis fuscis: anticis maculis vitreis maculisque duabus flavis: posticis fasciis duabus macularibus flavis: his infra maculis tribus aurantiaco-flavis.

Upperside dark rufous-brown. Anterior wing with seven transparent spots: two at the middle, two outside of these, and three before the apex: two yellow spots near the inner margin. Posterior wing crossed by two bands, each of three yellow spots.

Underside. Anterior wing as above, except that the apex is rufous. Posterior wing rufous, with a round central spot, and two spots near the inner margin: below the middle orange-yellow: the anal angle black.

Exp. $1\frac{9}{10}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson, from Mr. Bates.

Though scarcely different from the last described on the upperside, it differs greatly below.

37. Eudamus Eous. Ex. Butt., v, pl. xlv, figs 5, 6.

Alis fuscis: anticis maculis vitreis maculaque nivea: posticis maculis duabus albis: his infra fascia lata maculaque niveis.

Upperside dark brown. Anterior wing with seven transparent spots: one near the inner margin, two at the middle, two outside of these, and three before the apex: a spot of white near the inner margin. Posterior wing with

two white spots : one before the middle, the other towards the anal angle.

Underside. Anterior wing as above, except that there is a white spot on the inner margin touching two of the transparent spots. Posterior wing with a broad central transverse band of white, a linear band on the inner margin and a spot towards the anal angle also white : the anal angle and lobe dark brown.

Exp. $1\frac{1}{2}$ inch. *Hab.* Amazon (Pará).

In the Collection of W. C. Hewitson.

Genus CHÆTOCNEME, *Felder.*

1. Chætocneme Caristus.

Alis ferrugineo-fuscis : anticis fascia lata : posticis margine exteriori late aurantiacis.

Upperside rufous-brown : the body and wings thickly clothed with rufous hair. Anterior wing crossed at the middle by a broad band of orange. Posterior wing with the outer margin (except the apex, which is dark brown) broadly orange.

Underside as above, except that it is of a glossy dark brown.

Exp. $2\frac{4}{10}$ inches. *Hab.* Aru.

In the Collection of W. C. Hewitson, from Mr. Wallace.

2. Chætocneme Callixenus. Ex. Butt., v, pl. xlviii, fig. 1.

Alis fuscis : anticis fascia lata aurantiaca.

Upperside dark brown. Anterior wing crossed from the costal to the outer margin by a broad band of orange.

Underside as above.

Exp. $2\frac{3}{10}$ inches. *Hab.* Dorey.

In the Collection of W. C. Hewitson, from Mr. Wallace.

Genus NETROCORYNE, *Felder*.

1. Netrocoryne beata. Ex. Butt., v, pl. xlviii, fig. 2,

Alis rufis: anticis in medio fascia lata quadripartita punctisque duobus vitreis brunneo marginatis: posticis maculis vitreis tribus: infra maculis vitreis lilacino marginatis.

Upperside orange-rufous. Anterior wing sinuated below the apex: with six transparent spots: four, three of which are large, in a central band, and two (minute) outside of these, all bordered with rufous-brown: a brown spot near the base. Posterior wing with three transparent spots placed in two bands of brown.

Underside as above, except that it is darker, that the transparent spots of the anterior wing are bordered with lilac, and that the posterior wing is crossed by a band of lilac and has the outer margin dark brown.

Exp. $2\frac{2}{10}$ inches. *Hab.* Australia.

In the Collection of W. C. Hewitson.

2. Netrocoryne Denitza. Ex. Butt., v, pl. xlviii, fig. 4.

Alis rufis lilacino lavatis: anticis maculis septem vitreis, tribus centralibus magnis rotundatis: posticis maculis fuscis: alis infra purpureo lavatis.

Upperside rufous-orange tinted with lilac: the fringe orange. Anterior wing with the costal margin orange: seven transparent spots bordered with black: four in the centre, three of which are very large, and three before the apex: a brown spot near the base. Posterior wing with a central orange spot surrounded with spots of dark brown: the nervures lilac.

Underside as above, except that the anterior wing is tinted with purple at the middle, and that the posterior wing (except the base) is of the same colour.

Exp. $2\frac{2}{10}$ inches. *Hab.* Australia (Moreton Bay).

In the Collection of W. C. Hewitson.

I have adopted the last two genera of the Felders, not because there are any structural differences sufficient to divide them from *Eudamus*, but because the eye, which is in many cases the best guide to the formation of genera, at once detects a distinctive character.

Genus HESPERIA.

1. Hesperia Eudega.

Alis rufo-fuscis: anticis maculis sex vitreis maculaque lineari cinerea: posticis macula vitrea: his infra rufis, maculis obscuris brunneis.

Upperside. *Male.*—Rufous-brown. Anterior wing with six transparent spots: three a little beyond the middle forming a triangle, and three before the apex: a band of grey (indicative of the male) from near the inner margin to the middle: the costal margin from the base to the middle rufous. Posterior wing with one nearly central transparent spot.

Underside rufous. Anterior wing tinted with lilac near the apex. Posterior wing with indistinct spots of darker colour.

Exp. 2 inches. *Hab.* Amazon (Pará).

In the Collection of W. C. Hewitson.

2. Hesperia Hyela. Distant, Pl. xxxv, fig. 6.

Alis fuscis, ad basin cæruleo-viridibus: posticis utrinque angulo anali late aurantiaco: infra venis viridibus.

Upperside. *Male.*—Dark brown: the base of both wings blue-green. Posterior wing with the anal angle broadly orange on both sides.

Underside lilac-brown, with the nervures green. Anterior wing with the inner margin rufous-yellow.

Exp. $1\frac{8}{10}$ inch. *Hab.* Java.

In the Collection of W. C. Hewitson, from Mr. Wallace.

This species has a great resemblance to *Ismene Benjaminii.*

3. Hesperia Hyrmina.

Alis fuscis: anticis macula discoidali grisea: posticis utrinque angulo anali aurantiaco.

Upperside. *Male.*—Dark brown. Anterior wing with an oblong grey discoidal spot. Posterior wing with the anal angle orange.

Underside as above.

Exp. 2 inches. *Hab.* Tondano and Macassar.

In the Collection of W. C. Hewitson, from Mr. Wallace.

4. Hesperia Aroma.

Alis fuscis, basi corporeque cæruleo-viridibus: anticis infra basi cæruleo-viridi: posticis fascia lata fusca.

Upperside dark brown, with the body and base of both wings blue-green.

Underside rufous-brown. Anterior wing with the base blue-green: the inner margin white. Posterior wing crossed at the middle by a band of darker brown.

Exp. $1\frac{15}{20}$ inch. *Hab.* Pará.

In the Collection of W. C. Hewitson, from Mr. Bates.

Very much like *Eudamus Creteus* of Cramer (plate 284), from which it differs little except in the form of the antennæ.

5. Hesperia Bræsia.

Alis fuscis: anticis fascia macularum duarum vitrearum: infra marginibus costalibus ad basin albis.

Upperside. Anterior wing dark brown, with a central band of two transparent white spots. Posterior wing rufous-brown.

Underside rufous-brown. Anterior wing with the basal

half dark brown: the costal margin from the base to the middle white. Posterior wing with the base white.

Exp. $1\frac{6}{10}$ inch. *Hab.* Pará.

In the Collection of W. C. Hewitson, from Mr. Bates.

6. Hesperia Cynaxa.

Alis fuscis: anticis fascia vitrea alba: infra anticis apice, posticis omnino griseo-viridibus.

Upperside dark brown. Anterior wing crossed at the middle by a band of three white transparent spots.

Underside as above, except that the apical half of the anterior wing and the whole of the posterior wing are of a grey-green with the nervures black.

Exp. $1\frac{9}{10}$ inch. *Hab.* Mexico.

In the Collection of W. C. Hewitson.

Differs considerably from any other species, but is most nearly allied to *H. Itea* of Swainson and *H. Claudianus* of Latreille.

Printed by Taylor and Francis, Red Lion Court, Fleet Street.

Z
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PRESENTED

HESPERIDÆ.

BY

W. C. HEWITSON.

DESCRIPTIONS

18 NOV 1926
PRESENTED

OF

ONE HUNDRED NEW SPECIES

OF

HESPERIDÆ.

BRITISH MUSEUM

BY

W. C. HEWITSON.

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half dark brown: the costal margin from the base to the middle white. Posterior wing with the base white.

Exp. $1\frac{6}{10}$ inch. *Hab.* Pará.

In the Collection of W. C. Hewitson, from Mr. Bates.

6. Hesperia Cynaxa.

Alis fuscis: anticis fascia vitrea alba: infra anticis apice, posticis omnino griseo-viridibus.

Upperside dark brown. Anterior wing crossed at the middle by a band of three white transparent spots.

Underside as above, except that the apical half of the anterior wing and the whole of the posterior wing are of a grey-green with the nervures black.

Exp. $1\frac{9}{10}$ inch. *Hab.* Mexico.

In the Collection of W. C. Hewitson.

Differs considerably from any other species, but is most nearly allied to *H. Itea* of Swainson and *H. Claudianus* of Latreille.

7. Hesperia Hypaepa.

Celænorrhinus Thrax, *Hübner, Zutrage,* figs. 875, 876.

Exp. 2 to $2\frac{1}{2}$ inches. *Hab.* Sumatra and Singapore.

In the Collection of W. C. Hewitson, from Mr. Wallace.

Thrax having been appropriated for a nearly allied species by Linnæus, I have renamed this.

8. Hesperia immaculata. Ex. Butt., v, pl. LII, fig. 41.

Alis utrinque rufo-fuscis immaculatis.

Upper and Underside. Both wings of a uniform rufous-brown.

Exp. $1\frac{7}{10}$ inch. *Hab.* Colombia.

In the Collection of Dr. Boisduval.

[*Published March* 20, 1868.]

9. Hesperia Marpesia. Cr. Butt., V, pl. LV, figs. 5 3

Alis fuscis: anticis maculis octo vitreis maculaque alba: posticis fascia tripartita alba: his infra dimidio basali cinereo, fascia maculari alba, venis nigris.

Upperside dark brown. Anterior wing with eight transparent white spots: two within the cell, three below these in a line towards the apex, and three before the apex: a white opaque spot near the middle of the costal margin. Posterior wing with a central trifid transparent white band.

Underside. Anterior wing as above, except that it is grey-brown towards the outer margin. Posterior wing with the basal half grey: an undefined band of white beyond the middle: the outer margin broadly brown: the nervures black.

Exp. $1\frac{7}{10}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

Near to *H. Phyllus* of Cramer.

10. Hesperia Himella. Cr. Butt., V, pl. LIV, figs.

Alis fuscis, fimbria albo maculata: anticis maculis septem, posticis maculis tribus vitreis: anticis infra macula apicali albo marginata: posticis in medio albis nigro notatis.

Upperside dark brown, the fringe broad, alternately black and white. Anterior wing with six transparent white spots: one in the cell, three below it in a line towards the apex, and three before the apex: an opaque white spot and a spot of ochreous hair near the inner margin. Posterior wing with a short central band of three transparent spots.

Underside. Anterior wing as above, except that there is a large black spot at the apex, bordered outwardly with white. Posterior wing with a large central irregular space of white, deeply sinuated and marked by some minute black spots: some small spots near the base and two on the inner margin also white: the apex rufous-grey.

Exp. $1\frac{1}{2}$ inch. *Hab.* Rio de Janeiro.

In the Collection of W. C. Hewitson.

This species is one of the group to which *H. Abebalus* of Cramer and one which I have described as *H. Lutetia* belong.

11. Hesperia Artona. Ex. Butt., v, pl. LVI, figs. 67, 68.

Alis fuscis: anticis maculis vitreis, posticis maculis tribus albis separatim positis: anticis infra apice, posticis omnino lilacino-cinereis, fascia maculari venisque albis.

Upperside dark brown. Anterior wing with six transparent spots: one in the cell, two below it between the median nervules, and three before the apex: a spot of opaque white near the inner margin. Posterior wing with a band of three separate white spots.

Underside. Anterior wing as above, except that the apex is lilac-grey. Posterior wing lilac-grey, with the nervures white: crossed below the middle by a band of five white spots.

Exp. $1\frac{1}{2}$ inch. *Hab.* Rio de Janeiro.

In the Collection of W. C. Hewitson.

Near to *H. Plyllus* and *H. Abebalus* of Cramer.

12. Hesperia Dolopia. Ex. Butt., v, pl. LV, figs. 60, 61.

Alis fuscis: anticis maculis vitreis, posticis fascia rufescente: infra rufis; anticis fascia submarginali, posticis margine costali ad basin, linea basali, fascia lata centrali fasciaque submarginali flavo-albis.

Upperside dark brown. Anterior wing with six transparent white spots: one in the cell, two between the median nervures, and three before the apex: an indistinct rufous submarginal band. Posterior wing with an oblique rufous band before the middle.

Underside rufous-brown. Anterior wing with the inner margin and a submarginal band pale yellow. Posterior wing with the costal margin at the base, a narrow band from the base, a broad central band, a spot near the anal angle, and a submarginal band pale yellow: a submarginal band of brown spots.

Exp. $\frac{15}{20}$ inch. *Hab.* Northern India.
In the Collection of W. C. Hewitson.

Near to *H. Propertius*, Donovan, 'Insects of India,' plate 47, fig. 2.

13. Hesperia Laurea. Ex. Butt., V, pl. LV, figs. 65, 66.

Alis fuscis: anticis maculis quinque vitreis maculaque alba; posticis fascia tripartita alba: infra anticis fascia subapicali flava; posticis margine costali fasciaque parallela flavis.

Upperside dark brown. Anterior wing with five transparent white spots: two at the middle, one outside of these, and two at the apex: a white opaque spot near the middle of the inner margin: the inner margin, from the base to the said spot, lilac-white. Posterior wing with a trifid white central spot and a band of white hair near the inner margin.

Underside rufous-brown. Anterior wing crossed near the apex by a band of yellow. Posterior wing with the costal margin (which is broad) and a band parallel to it yellow.

Exp. $1\frac{1}{2}$ inch. *Hab.* Rio de Janeiro and Cayenne.
In the Collection of W. C. Hewitson.

Near to *H. Phyllus* of Cramer, plate 176.

14. Hesperia Physcoa.

Alis fuscis: anticis macula minuta vitrea, linea nigra maris: posticis infra, purpureo tinctis rufo-fuscis macula fasciaque macularum minutarum rufarum.

Upperside dark rufous-brown. Anterior wing with one minute transparent spot between the second and third median nervures, a black line (which is scarcely seen) marking the male.

Underside rufous-brown. Posterior wing tinted with purple: a central spot and curved band below it of minute rufous spots.

Exp. $1\frac{2}{10}$ inch.
In the Collection of W. C. Hewitson.

Distant, pl. xxxv, fig. 23. **15. Hesperia Homolea.** Ra. Butt., v, pl. LVI, figs. 77, 78.

Alis fuscis: anticis maculis vitreis: anticis infra fascia submarginali, posticis fasciis duabus ochraceis.

Upperside dark brown. Anterior wing with five transparent spots: one in the cell, two between the median nervures, and two before the apex.

Underside. Anterior wing with a submarginal band of ochreous spots. Posterior wing with two bands of similar spots and one spot more distinct than the rest towards the anal angle.

Exp. $1\frac{3}{10}$ inch. *Hab.* Singapore.

In the Collection of W. C. Hewitson, from Mr. Wallace.

Distant, pl. xxxv, fig. 20. **16. Hesperia Bononia.** Ra. Butt., v, pl. LVI, figs. 75, 76.

Alis fuscis: anticis maculis quinque, posticis maculis duabus vitreis: infra ochraceis, anticis in medium fuscis.

Upperside dark brown. Anterior wing with five transparent spots: three between the median nervures and two before the apex: an opaque pale-yellow spot near the ~~costal~~ inner margin. Posterior wing with two transparent spots.

Underside ochreous-yellow: the middle of the anterior wing dark brown. Posterior wing with the transparent spots boadered below with brown, and with a brown spot on each side of them.

Exp. $1\frac{1}{10}$ inch. *Hab.* Singapore.

In the Collection of W. C. Hewitson, from Mr. Wallace.

17. Hesperia Anthea. Distant, pl. xxxv, fig. 32.

Alis fuscis: anticis maculis vitreis, posticis fascia lata alba ex margine interiori ad medium alæ; his infra fascia latiori et longiori.

Upperside dark brown. Anterior wing with five small transparent white spots: two between the median nervures and three before the apex. Posterior wing with a broad band of white from the inner margin to the middle: the fringe white.

Underside as above, except that the white band is broader and crosses the whole of the wing.

Exp. $1\frac{3}{10}$ inch. *Hab.* Singapore.

In the Collection of W. C. Hewitson, from Mr. Wallace.

Near to *H. azona* and *H. Elia.*

18. Hesperia fusina.

Alis rufo-fuscis: anticis maculis vitreis: posticis infra fascia angusta maculari lilacino-alba.

Upperside dark rufous-brown. Anterior wing with six transparent spots: three at the middle, one of which is triangular, two (very minute) before the apex, and one (yellow) near the costal margin.

Underside paler. Anterior wing as above. Posterior wing crossed beyond the middle by a narrow band of lilac-white spots.

Exp. $1\frac{7}{10}$ inch. *Hab.* Amazon (Santarem).

In the Collection of W. C. Hewitson.

Near to *H. xanthaphes* of Hübner's 'Sammlung.' A specimen in my Collection (it may be a variety of this or distinct) differs from it only in having the band on the underside of the posterior wing much broader.

19. Hesperia avesta.

Alis fuscis: anticis maculis duabus vitreis: his infra macula costali flava; posticis fascia ante medium flava.

Upperside dark brown. Anterior wing with two central transparent spots.

Underside rufous-brown. Anterior wing with the outer margin broadly grey: a yellow spot at the middle of the costal margin. Posterior wing with a transverse band of yellow before the middle.

Exp. $1\frac{6}{10}$ inch. *Hab.* Sumatra.

In the Collection of W. C. Hewitson.

Unlike any other species I know.

20. Hesperia feralia. Ex. Butt., v, pl. lii, fig. 32.

Alis fuscis: anticis maculis septem vitreis, posticis macula tripartita vitrea.

Upperside dark brown. Anterior wing with seven transparent spots: two within the cell, one below these quadrate produced in a line towards the middle of the inner margin, and two outside of these near the two subapical spots. Posterior wing with a central trifid transparent spot.

Underside as above, except that it is rufous-brown.

Exp. $1\frac{13}{20}$ inch. *Hab.* Java.

In the Collection of Dr. Boisduval.

21. Hesperia palæa. Ex. Butt., v, pl. lii, fig. 31.

Alis fuscis: anticis linea (maris) centrali fracta alba: his infra macula flava costali.

Upperside dark brown. Anterior wing with a broken line of white (marking the male).

Underside rufous-brown. Anterior wing with a spot of pale yellow near the middle of the inner margin.

Exp. $1\frac{8}{10}$ inch.

In the Collection of Dr. Boisduval.

22. Hesperia Oceia.

Alis fuscis: anticis maculis vitreis: posticis plaga ovali media rugoso-squamosa setis longis nigris decumbentibus obtecta.

Upperside dark rufous-brown. Anterior wing with seven transparent spots: two, very small, within the cell, three between the nervures below these, and two before the apex. Posterior wing with a large tuft of black hair below the costal margin.

Exp. $1\frac{6}{10}$ inch. *Hab.* Philippines.

In the Collection of W. C. Hewitson.

23. Hesperia Phigalia.

Alis fuscis: anticis maculis sex aurantiacis maculaque flava, posticis fascia lata aurantiaca: anticis infra apice, posticis omnino cinereis, his maculis annulatis nigris.

Upperside dark brown. Anterior wing with six orange-yellow transparent spots, three of which are large and central, and one opaque spot of pale yellow. Posterior wing with a short broad band of orange-yellow: the fringe broad, grey.

Underside grey: anterior wing with the centre dark brown, the base orange-yellow. Posterior wing with a central spot, and below it a semicircle of annular misshapen black spots.

Exp. $1\frac{7}{20}$ inch. *Hab.* Australia.

In the Collection of W. C. Hewitson.

Near *Symmomus* of Hübner's 'Zutrage,' f. 225.

24. Hesperia Eliena.

Alis rufo-fuscis: anticis maculis vitreis, posticis fascia tripartita flava: posticis infra maculis quinque albis nigro marginatis.

Upperside rufous-brown. Anterior wing with six transparent spots and one pale-yellow opaque spot. Posterior wing with a central trifid band of yellow.

Underside with the apex of the anterior wing and the whole of the posterior wing rufous. Posterior wing with five round silvery-white spots bordered with black: one in the middle, and four (one of which is apart from the others) forming a band below the middle.

Exp. $1\frac{1}{2}$ inch. *Hab.* Australia (Moreton Bay).

In the Collection of W. C. Hewitson.

25. Hesperia Petalia.

Alis rufo-fuscis: anticis maculis vitreis maculaque flava, posticis macula flava: anticis infra apice, posticis omnino rufo-cinereis, his macula nigra albo notata.

Upperside glossy rufous-brown, with six pale-yellow

transparent spots and one spot of opaque yellow. Posterior wing with a central yellow spot.

Underside with the apex of the anterior wing and the whole of the posterior wing pale rufous-grey. Posterior wing with a large central round black spot: its centre white.

Exp. $1\frac{5}{20}$ inch. *Hab.* Australia (Moreton Bay).

In the Collection of W. C. Hewitson.

Also near to *Symmomus*.

26. Hesperia Liburnia. Ex. Butt., v, pl. LV, figs. 58, 59.

Alis fuscis: anticis maculis septem (una in medio magna) vitreo-fulvis maculaque subbasali aurantiaca, posticis fascia lata cilisque aurantiacis: anticis infra fascia submarginali macularum flavidarum, posticis margine costali maculisque decem aurantiacis.

Upperside dark brown. Anterior wing with seven transparent glossy orange-yellow spots: one large and bifid before the middle, three between this and the apex, one above these near the costal margin, and two before the apex: two or three lines from the base and a spot near the inner margin (opaque) also orange-yellow; the fringe brown, except near the anal angle, where it is yellow. Posterior wing with a central short broad band, some hair at the base, a band parallel and near to the inner margin, and the fringe orange-yellow.

Underside dark brown. Anterior wing with the spots as above: the three spots nearest the base joined in one, the three spots between these and the apex also joined: a line on the costal margin and a band of hastate submarginal spots also orange-yellow. Posterior wing with two bands from the base, a spot between them, the costal margin from the base to the middle, a subcostal band, the central band as above, and a submarginal band of five spots, all brilliant orange-yellow. Abdomen banded with yellow.

Exp. $1\frac{1}{2}$ inch. *Hab.* Philippines.

In the Collection of W. C. Hewitson.

A very beautiful species, near to *H. flavescens* of Felder, nearer to the following, from which it does not differ, except on the underside.

27. Hesperia Latoia. Ex. Butt., V, pl. LV, figs. 62, 63

Alis fuscis: anticis maculis septem vitreo-flavis maculaque aurantiaca, posticis fascia lata vitrea ciliisque aurantiacis: anticis infra fascia submarginali *venis*que fulvis, posticis venis fasciaque submarginali macularum minutarum fulvis.

Upperside dark brown. Anterior wing with seven transparent pale-yellow spots: one large and bifid, three between this and the apex (the last very minute), one near the middle of the costal margin, and two before the apex: two lines from the base and a spot near the inner margin orange-yellow: the fringe (except at the anal angle, where it is yellow) brown. Posterior wing with a broad central band, some hair at the base, and a line parallel and near to the inner margin orange-yellow.

Underside as above, except that the nervures are orange-yellow, that the anterior wing has an orange linear band at the costal margin, and that the posterior wing has the central band longer and a submarginal band of minute orange spots. Abdomen banded with yellow.

Exp. $1\frac{4}{10}$ inch. *Hab.* Singapore.

In the Collection of W. C. Hewitson, from Mr. Wallace.

Differs from *H. Liburnia* chiefly in having the nervures of the underside yellow.

28. Hesperia Heræa.

Alis nigro-fuscis: anticis basi, macula cellulari, fascia obliqua macularum quatuor maculaque apicali bifida aurantiacis; posticis utrinque aurantiacis margine costali et interiori, angulo anali fasciaque basali fuscis: his infra maculis fuscis, marginibus rufis.

Upperside dark brown, with the fringe orange. Anterior wing with the base, the costal and inner margins to the

middle, a broad oblique band from the inner margin towards the apex, a spot within the cell, and two spots before the apex orange. Posterior wing orange, with the costal and inner margins, a linear spot between them, and the anal angle dark brown.

Underside. Anterior wing as above, except that it is rufous towards the apex and outer margin. Posterior wing orange-yellow, with the margins and a spot near the middle rufous: a band near the inner margin, a bifid spot near the middle, and three spots towards the anal angle dark brown.

Exp. $1\frac{3}{10}$ inch. *Hab.* Amazon (Ega).

In the Collection of W. C. Hewitson, from Mr. Bates.

Near to *H. flavescens* of Felder, from which it scarcely differs above.

29. Hesperia Laronia.

Alis aurantiacis: anticis basi margineque costali rufescente, macula subapicali margineque exteriori fuscis; posticis macula discali margineque exteriori fuscis: his infra maculis tribus albis nigro marginatis.

Upperside orange. Anterior wing with the base and costal margin rufous: a large spot (sinuated on both sides) near the apex, and the outer margin (which is broad), dark brown. Posterior wing with a brown spot before the middle and the outer margin (which is narrow) dark brown: the inner margin rufous.

Underside as above, except that it is paler, that the outer margin of the anterior wing is ochreous-brown, and that the base of the posterior wing is clouded with ochreous-brown, and marked with three white spots bordered with black.

Exp. $1\frac{2}{10}$ inch. *Hab.* Old Calabar.

In the Collection of W. C. Hewitson.

Unlike any other known species.

30. Hesperia Galatia.

Alis ochraceis, fusco irroratis: anticis macula discali, apice margineque exteriori fuscis, linea obliqua recta nigra: infra omnino rufis.

Upperside ochreous, irrorated with brown. Anterior wing crossed beyond the middle from above the anal angle to a little beyond the end of the cell by a straight black line: a spot at the end of the cell, the outer margin and the nervures near it dark brown. Posterior wing with the costal margin broadly dark brown: the outer margin narrow, dark brown.

Underside rufous, except the base of the anterior wing, which is dark brown.

Exp. $1\frac{5}{20}$ inch. *Hab.* Old Calabar.

In the Collection of W. C. Hewitson.

Unlike any other known species.

31. Hesperia Beturia.

Alis fuscis: anticis maculis quatuor vitreis: his infra margine costali flavo irrorato, fascia subapicali macularum flavidarum; posticis fasciis duabus macularum flavidarum.

Upperside dark brown with four transparent white spots: two near the middle, and two before the apex: the base and the middle of the posterior wing covered with ochreous hair.

Underside paler brown. Both wings with a submarginal band of pale-yellow spots. Anterior wing with the costal margin broadly irrorated with yellow. Posterior wing irrorated with yellow near the base: crossed at the middle by a band of yellow spots.

Exp. $1\frac{4}{10}$ inch. *Hab.* Neilgherries and Macassar from Mr. Wallace.

In the Collection of W. C. Hewitson.

32. Hesperia Utha.

Alis nigro-fuscis dimidio basali fulvo: anticis fascia maculari subapicali fulva, posticis ciliis fulvis: his infra rufo-fuscis macula fasciaque rufis.

Upperside dark brown, with the base of both wings rufous-orange: the nervures black. Anterior wing with a band of spots of the same colour before the apex. Posterior wing with the fringe rufous.

Underside. Anterior wing as above, except that the base is dark brown. Posterior wing rufous-brown, with a rufous spot before the middle and a band of spots of the same colour at the middle.

Exp. $1\frac{9}{10}$ inch. *Hab.* Cuba.

In the Collection of W. C. Hewitson.

Near to *H. Zabulon* of the United States, but twice the size.

33. Hesperia ficulnea.

Alis fuscis: anticis macula magna discali lilacino-alba.

Upperside dark brown. Anterior wing with one large central white spot tinted with lilac.

Underside as above, except that it is paler.

Exp. $1\frac{6}{10}$ inch. *Hab.* Borneo.

In the Collection of W. C. Hewitson.

Genus HESPERILLA, *Hewitson.*

Body robust, as long or longer than the wings. Head large. Palpi with the last joint bare, and projecting beyond the dense hair with which the other joints are covered. Antennæ of moderate length, slightly curved, spotted with white, the club long and curved, as in *Eudamus*: also like *Pyrrhopyga*, but more pointed and slender. Anterior wing with the apex pointed: crossed, as in *Hesperia*, by the band indicative of the male: the first branch of the median

nervure not distant from the second. Posterior wing with the third branch of the median nervure leaving it at an angle from which the cell is closed in a straight line. The hind legs with four spurs. Type *P. ornata*, Leach. The insects of this genus have all the characteristics of *Hesperia* except the antennæ.

1. Hesperilla Halyzia. Ex. Butt., V, pl. LXI, figs. 4, 5.

Alis fuscis, ciliis albis: anticis maculis tribus discalibus vitreis: anticis infra margine costali apiceque, posticis omnino cinerareis, his maculis fuscis parum visis.

Upperside dark brown: the fringe white, spotted with brown on the anterior wing. Anterior wing with three central transparent spots: the base of the costal margin grey.

Underside cinereous, except the lower half of the anterior wing, which is dark brown. Posterior wing crossed by some very indistinct brown spots beyond the middle.

Exp. $1\frac{3}{10}$ inch. *Hab.* Australia (Port Denison).

In the Collection of W. C. Hewitson.

This species is without the mark peculiar to the male.

2. Hesperilla Dirphia. Ex. Butt., V, pl. LXI, figs. 1, 2, 3.

Alis fuscis: anticis maculis septem separatim dispositis: posticis infra macula alba maculisque tribus nonnunquam fuscis nonnunquam albo maculatis.

Upperside. Female dark brown. Anterior wing with seven opaque white spots: two near the middle widely apart, two together outside of these, and three before the apex. Posterior wing with the basal half thickly clothed with hair.

Underside rufous. Anterior wing as above, except that it is without the apical spots. Posterior wing with a central spot of white above the middle, bordered with brown, and below the middle a band of three spots, sometimes

brown only, sometimes having each spot marked with white.

Exp. $1\frac{11}{20}$ inch. *Hab.* Australia (Swan River).

In the Collection of W. C. Hewitson.

3. Hesperilla Donnysa. Ex. Butt., v, pl. LXI, fig. 7.

Alis fuscis, maculis sex vitreo-flavis maculaque minuta flava, posticis in medio aurantiacis: his infra griseis macula fasciaque macularum fuscis.

Upperside. *Male.*—Anterior wing rufous-brown, with six transparent yellow spots: one near the middle of the costal margin, two central beyond the middle, and three before the apex: a small yellow spot near the inner margin, and the black line indicative of the male. Posterior wing dark brown, with the centre orange.

Underside grey. Anterior wing with the basal half dark brown: a ray of yellow from the base to the first transparent spot: the inner margin yellow in the place of the small yellow spot of the upperside. Posterior wing with a spot before the middle, followed by a straight band of small brown spots.

Female without the small yellow spot of the anterior wing and the central orange of the posterior wing.

Exp. $1\frac{5}{20}$ inch. *Hab.* Australia (Moreton Bay).

In the Collection of W. C. Hewitson.

4. Hesperilla Doclea.

Alis rufo-fuscis: anticis macula oblonga in cellula maculisque tribus minutis vitreis, vitta maris lata nigra: posticis infra griseo irroratis.

Upperside. *Male.*—Rufous-brown. Anterior wing with five transparent spots: one oblong in the cell, one between the median nervules, and three (very minute) before the

apex: crossed obliquely from the inner margin by a broad black band indicative of the male.

Underside as above, except that it is paler and irrorated throughout with grey.

Exp. $1\frac{5}{20}$ inch. *Hab.* Australia (Moreton Bay).

In the Collection of W. C. Hewitson.

Closely resembling in character the *Hesperiæ* of Europe, and *H. comma* and *Cernes* of the United States.

Genus CYCLOPIDES, *Hübner.*

Carterocephalus, *Lederer.*

1. Cyclopides Caicus. Ex. Butt., v, pl. LX, figs. 4, 5.

Alis fuscis: anticis maculis sex vitreis maculaque opaca albis, posticis macula magna discali alba: his infra macula discali maculis duabus tripartitis subcostalibus ochraceis: maculis duabus prope angulum analem albis.

Upperside dark brown. Anterior wing with six transparent white spots: two near the middle (one below the other), one beyond these, and three at the apex. Posterior wing with one large central silvery-white spot.

Underside. Anterior wing as above, except that the costal and outer margins are rufous, the apex marked by two pale rufous spots, and that the two lowest white spots are united in one. Posterior wing rufous, with the central spot as above, two large ochreous trifid spots at the costal margin, two white spots near the anal angle, and a submarginal band of four small rufous spots.

Exp. $1\frac{5}{20}$ inch. *Hab.* Venezuela.

In the Collection of W. C. Hewitson.

Very near to *C. cypselus* of Felder.

2. Cyclopides Cænides. Ex. Butt., v, pl. LX, fig. 9.

Alis fuscis, ciliis rufis: anticis maculis sex vitreo-fulvis, posticis macula magna aurantiaco-fulva: his infra rufis immaculatis.

Upperside rufous-brown, darker towards the outer margin of the posterior wing: the fringe rufous. Anterior wing with six transparent orange spots: three longitudinally at the middle of the wing and three (very minute) near the apex. Posterior wing with a large oblong orange spot before the middle.

Underside. Anterior wing as above, but paler near the margins. Posterior wing rufous, irrorated with paler colour.

Exp. 1 inch. *Hab.* Venezuela.

In the Collection of W. C. Hewitson.

Nearly allied to *C. cypselus* of Felder.

3. Cyclopides Carmides. Ex. Butt., v, pl. LX, fig. 1.

Alis fuscis: anticis maculis tribus vitreis in triangulum dispositis, posticis macula fasciaque aurantiacis: his infra macula argentea.

Upperside. Dark brown, with rufous hair at the base. Anterior wing tinted with purple towards the outer margin, with three central transparent spots placed in the form of a triangle. Posterior wing with an orange spot before the middle, and beyond it a band of three spots of the same colour.

Underside rufous-brown. Anterior wing as above, except that part of the inner margin is pale. Posterior wing with a large silvery central spot.

Exp. $1\frac{8}{10}$ inch. *Hab.* Madagascar.

In the Collection of W. C. Hewitson.

4. Cyclopides argenteo-ornatus. Ex. Butt., v, pl. LXI, figs. 18, 19.

Alis fuscis: anticis maculis septem aurantiaco-flavis, posticis macula oblonga aurantiaca: his infra viridibus, maculis quatuor fasciaque argenteo-albis.

Upperside. Dark brown, the base clothed with rufous

hair: the fringe broad, black and white. Anterior wing with seven opaque orange-yellow spots: four central large, near together, and three before the apex. Posterior wing with an oblong orange spot.

UNDERSIDE ochreous-green. Anterior wing with the spots as above. Posterior wing *with four oblong spots and a band of silver-white,* and the orange spot as above.

Exp. $1\frac{5}{20}$ inch. *Hab.* Australia (Swan River).

In the Collection of W. C. Hewitson.

5. Cyclopides Cheles. Ex. Butt., V, Pl. LX, figs. 12, 13.

Alis fuscis: anticis fasciis duabus submarginalibus macularum flavidarum: posticis subtus flavidis, tessellatis.

UPPERSIDE dark brown. Anterior wing with two submarginal bands of pale-yellow spots, the inner band shortest, broken, its spots seven in number, placed three together (at the costal margin): the rest in pairs.

UNDERSIDE. Anterior wing as above, except that the outer submarginal band is shorter, and the inner band absent, except the three spots near the costal margin, which are minute. Posterior wing pale yellow, with the nervures, some short lines near the costal margin, two transverse lines at the middle (forming spots), and a submarginal line all dark brown.

Exp. $1\frac{5}{20}$ inch. *Hab.* Damara Land.

In the Collection of W. C. Hewitson.

Its nearest neighbour is *C. Steropes.*

6. Cyclopides Callicles. Ex. Butt., V, Pl. LX, figs. 10, 11.

Alis fuscis maculis quinquedecim flavidis: anticis novem, posticis maculis sex: his infra flavis, macula centrali maculisque septem pallidioribus in semicirculum positis nigro marginatis.

UPPERSIDE dark brown, with pale yellow semitransparent spots. Anterior wing with nine, posterior wing with six—one in the middle, five in a band below.

UNDERSIDE yellow. Anterior wing with the lower half dark brown; the spots on the yellow portion of the wing bordered with black. Posterior wing with two black spots near the base, the central spot and seven spots below it bordered with black.

Exp. $1\frac{2}{10}$ inch. *Hab.* Damara Land.

In the Collection of W. C. Hewitson.

Like *Hesperia* above, but resembling *C. Steropes* underneath.

7. Cyclopides Capenas. Ex. Butt., v, pl. LX, figs. 2, 3.

Alis fuscis: anticis maculis magnis quatuor venisque pone medium flavidis: posticis subtus flavidis maculis atris sparsis.

UPPERSIDE dark brown. Anterior wing with four large spots and the nervures towards the outer margin yellow. Posterior wing with four yellow spots (one bifid).

UNDERSIDE. Anterior wing as above, except that the costal margin and a line before the fringe are yellow. Posterior wing yellow, with numerous irregular black spots.

Exp. $1\frac{1}{20}$ inch. *Hab.* Zambesi.

In the Collection of W. C. Hewitson.

Nearest to *P. Macoma* of Trimen.

8. Cyclopides Camertes. Distant, pl. XXXV, figs. 14, 15

Alis fuscis: anticis maculis quatuor (tribus maximis) fulvis, posticis macula magna trifida: his infra fulvis maculis fuscis sparcis.

UPPERSIDE dark brown. Anterior wing with four orange-yellow spots, three of which are very large (one bifid). Posterior wing with one large trifid orange-yellow spot.

UNDERSIDE. Anterior wing as above, except that the apex is yellow, spotted with brown. Posterior wing orange-yellow, with many irregular brown spots.

Exp. 1 inch. *Hab.* Singapore.

In the Collection of W. C. Hewitson, from Mr. Wallace.

9. Cyclopides Cariate. Ex. Butt., V, Pl. LX, fig. 8.

Alis rufo-fuscis: anticis maculis septem aurantiacis in forma *Y* positis: posticis ochraceis maculis quatuor pallidioribus parum visis.

Upperside rufous-brown. Anterior wing with seven opaque orange spots, placed in the form of the letter *Y*: three forming a central band, three from the middle of the costal margin which join the band, and one at the apex.

Underside. Anterior wing as above, except that the margins are broadly rufous. Posterior wing rufous, with four indistinct paler spots in pairs.

Exp. ♂ $\frac{9}{10}$, ♀ $1\frac{2}{10}$ inch. *Hab.* Madagascar.

In the Collection of W. C. Hewitson.

Near to *C. Rhadama* of Boisduval.

10. Cyclopides Ceramas.

Alis rufo-fuscis, ciliis latis pallidis: anticis maculis octo fulvis, posticis maculis quatuor: anticis infra apice, posticis omnino ochraceis, maculis flavis notatis.

Upperside rufous-brown. Anterior wing with eight minute orange spots: one in the cell, three at the apex, two below these, and two nearer the outer margin. Posterior wing with four spots in pairs.

Underside. Anterior wing as above, except that the costal margin and apex and the whole of the posterior wing are ochreous-yellow. Posterior wing with some indistinct spots of a brighter yellow.

Exp. $\frac{15}{20}$ inch. *Hab.* Neilgherries.

In the Collection of W. C. Hewitson.

Also very near to *Rhadama,* but with the yellow spots differently placed.

Genus ANCYLOXIPHA, *Felder.*

1. Ancyloxipha aurantiaca.

Alis utrinque aurantiaco-fulvis, basibus fuscis.

Upperside orange-yellow, with the base of both wings brown.

Underside as above.

Exp. $\frac{7}{10}$ inch.

In the Collection of W. C. Hewitson.

2. Ancyloxipha Ardonia.

Alis rufo-fuscis: anticis maculis novem flavidis, posticis macula cellulari fasciaque quadripartita flavis.

Upperside rufous-brown, the fringe yellow. Anterior wing with nine pale-yellow spots: one in the cell nearly bifid, five forming an oblique band in the middle, two of which are apart from the other three, three before the apex and a line on the inner margin. Posterior wing with a small spot in the cell and a band of four spots in the middle pale yellow.

Underside with the spots as above. Both wings with a submarginal band of large pale-yellow spots: the costal margin and apex of the anterior wing and the whole of the posterior wing irrorated with ochreous-yellow.

Exp. $\frac{9}{10}$ inch. *Hab.* Macassar and Sarawak.

In the Collection of W. C. Hewitson, from Mr. Wallace.

3. Ancyloxipha agraulia.

Alis fuscis: anticis macula magna costali, margine interiori, fascia transversa, maculaque subapicali vix tripartita aurantiacis: posticis pilis basalibus, macula parva costali fasciaque transversa aurantiacis.

Upperside dark brown. Anterior wing with a large space on the costal margin, the inner margin, a transverse

band from it to near the apex, and the three subapical spots scarcely divided from each other orange. Posterior wing with some hair at the base, a small spot near the costal margin, and a transverse band orange.

Underside as above, except that the apex of the anterior wing and the whole of the posterior wing are rufous, and the bands less distinct.

Exp. $\frac{17}{20}$ inch. *Hab.* Australia (Swan River).

In the Collection of W. C. Hewitson.

Genus LEUCOCHITONEA, *Wallengren.*

1. Leucochitonea Lucullea. Ins. Rhett., V, pl. LVII, figs. 9, 10.

Alis fuscis: anticis cæruleo irroratis, fascia subbasali nigra; posticis fasciis duabus viridi-cæruleis: his infra cæruleis, maculis discalibus, macula apicali albo notata, maculisque submarginalibus nigro-fuscis.

Upperside dark brown. Anterior wing irrorated throughout with pale blue: ten transparent spots: four (one deeply sinuated) in the middle of the wing, one (bifid) below these, and five before the apex placed irregularly and apart: a transverse black band near the base: the fringe brown. Posterior wing crossed by two transverse bands of blue-green; the fringe white.

Underside. Anterior wing dark brown, with the base blue, a large spot on the inner margin and a band of submarginal spots white. Posterior wing cerulean blue, with three spots in the middle, a spot at the apex marked by two white spots, and a submarginal band of spots all dark brown: the outer margin brown, dentated on its inner border.

Exp. $1\frac{3}{20}$ inch. *Hab.* Amazon (Ega).

In the Collection of W. C. Hewitson.

Near to *L. Cerealis.*

2. Leucochitonea Libethra. Ex. Butt., v, pl. LVII, figs. 5, 6.

Alis anticis rufo-fuscis, maculis decem vitreis; posticis griseo-rufis, basi nigro-fusca, maculis quatuor albis subbasalibus: his infra cæruleis, macula magna costali nigro-fusca, maculisque exteriori fuscis.

Upperside rufous-brown. Anterior wing irrorated with pale blue: ten transparent white spots: three near the middle of the costal margin, three below these in the middle of the wing, and four near the apex, forming a square: the fringe brown. Posterior wing rufous-grey, with the base dark brown, and a spot at the anal angle (touching which there are four white spots) also brown: the fringe white.

Underside. Anterior wing as above. Posterior wing pale blue irrorated with black, with a large black spot on the costal margin, two or three smaller spots, and the outer margin, which is broad, brown.

Exp. $1\frac{2}{10}$ inch. *Hab.* Amazon (St. Paulo).

In the Collection of W. C. Hewitson.

Also near *L. Cerealis.*

3. Leucochitonea Lagia.

Pythonides Herennius, *Hübner, Sammlung*, figs. 1, 2, 3, 4.

I have renamed this, the specific name having been previously used by Cramer.

4. Leucochitonea lancea.

Carystus Jovianus, *Hübner, Zutrage*, figs. 713, 714.

Not believing this to be the same species as *Jovianus* of Cramer, I have given it another name.

5. Leucochitonea Limæa. Ex. Butt., v, pl. LVII, figs. 1, 2.

Alis fuscis: anticis cæruleo irroratis, posticis margine exteriori late cæruleo: his infra cæruleis, apice rufo-fusco.

Upperside. Anterior wing irrorated with blue, the blue forming a spot in the cell, a spot on the costal margin beyond the middle, and a submarginal band, all very inditinct. Posterior wing with the outer margin broadly blue.

Underside. Anterior wing as above, but paler. Posterior wing blue, with the apex rufous-brown.

Exp. $1\frac{3}{10}$ inch. *Hab.* Cayenne.

In the Collection of W. C. Hewitson.

6. Leucochitonea Lerina. Ex. Butt., v, pl. LVII, figs. 7, 8.

Alis fuscis: anticis maculis quatuor discalibus albo-vitreis, fascia submarginali macularum cærulearum, posticis fascia lata cærulea: his infra cæruleis, venis, maculis duabus margineque exteriori fuscis.

Upperside dark brown, the fringe brown. Anterior wing with four transparent white spots at the middle of the wing, and a band of blue spots towards the outer margin. Posterior wing crossed before the middle by a broad band of cerulean blue.

Underside. Anterior wing as above. Posterior wing cerulean blue, with the nervures, two spots before the middle, and the outer margin dark brown.

Exp. $1\frac{5}{20}$ inch. *Hab.* Cayenne and Pará.

In the Collection of W. C. Hewitson.

7. Leucochitonea Laginia.

L. niveus ♂, *Hübner, Sammlung,* figs. 1, 2.

8. Leucochitonea Laviana. Ex. Butt., v, pl. LVIII, figs. 15, 16

Alis niveis: anticis apice late fusco, maculis albis notato, margine exteriori maculis fuscis albo marginatis: posticis infra maculis duabus, linea margineque exteriori rufo-fuscis.

Upperside white, with the base brown. Anterior wing with the apex broadly brown, crossed by a broad band of white and by two subapical bands of minute white spots:

the outer margin below these marked by lunular brown spots bordered with white. Posterior wing with the outer margin and some lunular spots upon it dark brown.

Underside. Anterior wing as above, except that the apex is marked by a distinct triangular spot. Posterior wing with a large spot near the costal margin, a spot near the middle, a linear band beyond the middle, and the outer margin brown.

Exp. $1\frac{6}{10}$ inch. *Hab.* Nicaragua.

In the Collection of W. C. Hewitson.

Near to *L. Arsalte.*

9. Leucochitonea Leucola. Ex. Butt, v, pl. LVIII, fig. 17, 18.

Alis albis: anticis apice, margine exteriori venisque pone medium fuscis: posticis infra fascia, apice, venis lineisque inter eas fuscis.

Upperside white. Anterior wing with the base, the apex and outer margin, which are broad, and the nervures near it dark brown: a subapical band of white divided by the nervures. Posterior wing with the outer margin and the nervures beyond the middle dark brown: the fringe brown, traversed by a line of white.

Underside. Anterior wing as above. Posterior wing with the base, a band before the middle, the apex, the nervures, and lines between them brown.

Exp. $1\frac{3}{10}$ inch. *Hab.* Minas Geraes.

In the Collection of W. C. Hewitson.

Also near to *L. Arsalte.*

10. Leucochitonea Lassia.

Alis obscure albis, fasciis duabus submarginalibus rufo-fuscis: anticis basi rufo-fusca, apice maculis quatuor vitreis albis.

Upperside obscure white. Both wings with two submarginal bands of rufous-brown. Anterior wing irrorated with

brown, the base and a band of darker colour which crosses it brown: four subapical transparent white spots: the space between the submarginal bands tinted with lilac.

UNDERSIDE as above, except that the submarginal bands are broken into spots and less distinct.

Exp. $1\frac{9}{20}$ inch.

In the Collection of W. C. Hewitson.

Belongs to the same group as *P. Melander* of Cramer.

11. Leucochitonea trifasciata. Ex. Butt., v, pl. LVIII, fig. 2.

Alis pallide rufis, anticis lilacino tinctis, ambabus fasciis tribus margineque exteriori rufo-fuscis.

UPPERSIDE rufous, pale, tinted with lilac on the anterior wing. Both wings crossed by three bands of brown, both with the outer margin brown. Anterior wing with the first band broad, the second angular, the third and submarginal band macular.

UNDERSIDE as above, except that it is much paler, and that the anterior wing is without the subbasal band.

Exp. $1\frac{1}{2}$ inch.

In the Collection of W. C. Hewitson.

Belongs to the same group as the last, but very distinct.

12. Leucochitonea Lucaria. Ex. Butt., v, pl. LVII, fig. 4.

Alis fuscis: anticis cinereo tinctis, macula costali maculaque anali fulvis, posticis fascia submarginali fulva.

UPPERSIDE dark brown. Anterior wing tinted with lilac-grey towards the outer margin: an oblong spot from the middle of the costal margin, and a small spot near the anal angle, yellow. Posterior wing with a band of yellow near the outer margin.

UNDERSIDE as above, except that the spot near the anal

angle is larger and that there is a similar spot at the anal angle of the posterior wing.

Exp. $\frac{19}{20}$ inch. *Hab.* Cayenne.

In the Collection of W. C. Hewitson.

The female has the spots and the outer half of the posterior wing on the upperside white.

Genus PTERYGOSPIDEA, *Wallengren.*

1. Pterygospidea Pteria. Ex. Butt., v, pl. LIX, fig. 1.

Alis fuscis: anticis maculis decem albo-vitreis, posticis fascia macularum oblongarum nigrarum, angulo anali late albo: his infra albis, maculis subcostalibus fuscis.

Upperside dark brown. Anterior wing with ten transparent spots: two in the cell, eight in a curved band beyond the middle. Posterior wing crossed beyond the middle by a band of oblong black spots: the outer margin from the anal angle to the middle broadly white.

Underside. Anterior wing as above, except that there is a bifid white spot near the anal angle. Posterior wing white, with the base and costal margin and some oblong spots near it brown.

Exp. $1\frac{7}{10}$ inch. *Hab.* Philippines.

In the Collection of W. C. Hewitson.

Near to *P. trichoneura* of Felder.

2. Pterygospidea Permena.

Alis rufo-fuscis: anticis maculis octo albo-vitreis, tribus in medio positis; posticis fascia fulva, fasciaque macularum oblongarum fuscarum.

Upperside dark brown. Anterior wing with eight

transparent spots: three in the centre (two of them large), and five before the apex. Posterior wing crossed before the middle by a band of yellow, and beyond the middle by a band of oblong dark brown spots bordered outwardly with paler colour.

Underside as above, except that the posterior wing has a white spot instead of the band.

Exp. $1\frac{7}{20}$ inch. *Hab.* Macassar and Celebes.

In the Collection of W. C. Hewitson, from Mr. Wallace.

Near to the last and *P. Iapetus* of Cramer.

3. Pterygospidea Panthea.

Alis fuscis, lilacino tinctis, fasciis duabus nigris: infra rufo-fuscis.

Upperside dark brown, the basal half of both wings tinted with lilac. Both wings crossed by two ill-defined bands of dark brown; the subbasal band short.

Underside as above, except that it is rufous-brown.

Exp. $1\frac{7}{10}$ inch. *Hab.* Amazon (Ega).

In the Collection of W. C. Hewitson, from Mr. Bates.

Belongs to the same group as *P. Iapetus*.

4. Pterygospidea Pekahia.

Alis utrinque griseo-fuscis, fascia pone medium fusca: anticis maculis octo albo-vitreis, tribus subcostalibus.

Upperside dark grey-brown. Both wings with the outer margin and a transverse band beyond the middle dark brown. Anterior wing with eight transparent white spots: two in the middle, three in a line at a right angle from the costal margin, and three before the apex.

Underside as above.

Exp. $1\frac{4}{10}$ inch. *Hab.* Venezuela.

In the Collection of W. C. Hewitson.

5. Pterygospidea leptogramma. Ex. Butt., v, pl. LIX, fig. 4.

Alis fuscis: anticis maculis sex minutis semivitreis, fasciis duabus linearibus, venis maculisque turbinatis albis; posticis albis, basi grisea, apice fusco, venis maculisque lunularibus albis, margine exteriori griseo lunulis nigris.

Upperside dark rufous-brown. Anterior wing with six minute semitransparent white spots: one between the median nervules, three at the apex, and three nearer the outer margin below these: some small spots near the base, two linear broken bands near the middle, some of the nervures, and the outline of some conical spots beyond the middle white. Posterior wing white, with the base and two spots below the middle grey: part of the outer margin grey, marked by two black spots: the apex dark brown, marked by two conical outline spots of white.

Underside as above, except that the anterior wing is without any of the white marks, and that the apex of the posterior wing and part of the outer margin (crossed by white nervures) are dark brown.

Exp. $1\frac{6}{10}$ inch. *Hab.* Philippines.

In the Collection of W. C. Hewitson.

A beautiful species, most like *P. Pygela* in colour, but of very different form.

Distant, pl. XXXIV, fig. 18. **6. Pterygospidea Pygela.** Ex. Butt., v, pl. LIX, fig. 3.

Alis fuscis, basi fasciisque duabus albis; posticis margine exteriori sinuato late albo, fascia submarginali grisea: his infra albis, basi grisea, maculis subcostalibus griseo-fuscis.

Upperside dark brown. Both wings white at the base, both crossed by two bands of white: the first before the middle, nearly straight; the second beyond the middle, scarcely visible on the anterior wing, except near its inner margin, much curved on the posterior wing. Anterior wing with an indistinct submarginal band of paler brown. Posterior wing

with the outer margin sinuated, broadly white, traversed by a band of brown.

Underside. Anterior wing as above, but paler, the white bands less distinct. Posterior wing white, except the base, which is grey: a black spot near the base, some spots on the costal margin, and a spot near the anal angle brown.

Exp. $1\frac{3}{10}$ inch. *Hab.* Borneo and Malacca.

In the Collection of W. C. Hewitson, from Mr. Wallace.

Belongs to the same group as *P. Sura* of Moore (*P. Helias*, Felder), and, though of very different form, is much like the last-described in colour.

7. Pterygospidea Phagesia. Cr. Butt. V, Pl. LIX, fig. 5.

Alis rufis: anticis angulo anali sinuato, maculis quatuor albo-vitreis, fasciaque lata fusca; posticis fascia macularum minutarum apiceque fuscis, margine exteriori albo: his infra cæruleis.

Upperside rufous-brown. Anterior wing sinuated at the anal angle, with four central transparent spots: a broad transverse band beyond the middle, a linear band towards the apex, and a spot at the anal angle dark brown. Posterior wing with the apex, two spots on the costal margin, and a band of four minute spots beyond the middle dark brown: irrorated with grey towards the outer margin, which is white.

Underside. Anterior wing rufous-brown, without the band and anal spot. Posterior wing blue, with the costal and outer margins rufous: the small black spots as above.

Exp. $1\frac{3}{10}$ inch. *Hab.* Pará.

In the Collection of W. C. Hewitson.

Belongs to the same group as *P. Sura* of Moore, and is nearly allied to it.

Genus ÆTHILLA, *Hewitson.*

Head large. Body robust, short. Palpi with the third joint short. Antennæ rather long, the club slightly thicker at the bend, and tapering to a fine point somewhat as in *Eudamus*, but not so much bent. The outer margin of both wings taken together not much out of a straight line. Anterior wing with the apex much pointed; the cell long and narrow, the branches from the median nervure equidistant. The cell of the posterior wing half the length of the wing closed in a straight line from the third median nervule. Hind legs with four spurs, and a tuft of long hair from the base of the tibiæ.

This genus will come near to *Erycides*.

Æthilla Eleusinia.

Alis fuscis: anticis fasciis duabus nigris; posticis macula fasciaque obscuris, nigris, ciliis albis.

Upperside dark brown. Anterior wing crossed by two bands of darker brown. Posterior wing with a spot in the cell and a band below the middle very indistinct, the fringe white.

Underside as above, except that it is without the bands and has the margins paler.

Exp. $2\frac{2}{10}$ inch. *Hab.* Quito.

In the Collection of W. C. Hewitson.

Genus CÆCINA, *Hewitson.*

Head small. Palpi with the last joint slightly projecting above the hair which clothes the lower part. Antennæ slender, half as long as the wing: the club slender, long, and pointed (not so much bent as in *Eudamus*). Body much shorter than the wings. Anterior wing with the costal margin irregularly arched, the apex truncated, the middle of the

outer margin sinuated, the inner margin projecting near its base, and polished underneath, to cover a tuft of hair on the posterior wing: the cell long and narrow, closed obliquely; the first branch of the median nervure distant from the rest. Posterior wing with the cell half the length of the wing closed in a straight line from the base of the second median nervule. Hind legs with four spurs.

This genus will rank near to *Eudamus*.

1. Cæcina Calathana. Ex. Butt., v, pl. xlviii, fig.

Alis rufo-fuscis, macula cellulari fasciaque fuscis: posticis angulo anali ciliisque aurantiaco-fulvis: his infra margine exteriori late flavo.

Upperside rufous-brown. Both wings with a spot in the cell and a band of spots beyond the middle dark brown, indistinct. Posterior wing with the anal angle and the fringe orange-yellow.

Underside as above, except that the outer margin, as well as the anal angle (apex excepted), is broadly yellow.

Exp. $2\frac{2}{10}$ inch. *Hab.* New Granada.

In the Collection of W. C. Hewitson.

Especially interesting from its great resemblance (except in shape) to *Eudamus Anaphus*.

2. Cæcina Compusa. Ex. Butt., v, pl. xlviii, fig.

Alis rufis, macula cellulari fasciaque rufo-fuscis.

Upperside rufous. Both wings with a spot in the cell and a band of spots beyond the middle rufous-brown, indistinct.

Underside as above, except that it is of a dull grey-brown.

Exp. $1\frac{17}{20}$ inch. *Hab.* Amazon.

In the Collection of W. C. Hewitson.

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